Listing of the Claims:

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The following is a complete listing of all the claims in the application, with an indication of the status of each:

1. (Previously presented) A wavelength division multiplexing transmission 1 system in which a plurality of remote apparatuses are connected to a 2 3 station apparatus which communicates with said remote apparatuses using a given plurality of wavelengths, wherein each of said remote 4 5 apparatuses comprises: 6 wavelength separating means for separating an optical signal including a plurality of wavelengths into separated optical signals; 7 8 optical receiving means for receiving said separated optical signals from said wavelength separating means and for outputting reception 9 10 status signal indicating whether or not each of the given plurality of wavelengths used in the transmission system is being received; 11 12 wavelength control means for determining an available wavelength as a transmission and reception signal on the basis of said reception status 13 14 signal; optical transmitting means for transmitting an optical signal of said 15 16 available wavelength determined by said wavelength control means. 2. (Previously presented) The wavelength division multiplexing 1 2 transmission system according to claim 1, wherein said wavelength control 3 means sets said available wavelength as a transmission and reception 4 signal and outputs a wavelength control signal for setting said available 5 wavelength. 3. (Previously presented) The wavelength division multiplexing 1

transmission system according to claim 1, wherein said wavelength control

- means determines the wavelength of an unreceived optical signal among 3
- the wavelengths used in the transmission system as said the available 4
- wavelength and sets said available wavelength as a transmission and 5
- 6 reception wavelength to be used in said remote apparatus.
- 4. (Previously presented) The wavelength division multiplexing 1
- transmission system according to claim 1, wherein said wavelength control 2
- 3 means determines the wavelength of a received signal as said available
- wavelength and sets said available wavelength as a transmission and 4
- reception signal to be used in said remote apparatus. 5
- 5. (Previously presented) The wavelength division multiplexing 1
- transmission system according to claim 1, wherein said station apparatus 2
- comprises optical control means for determining a wavelength to be used, 3
- on the basis of an optical signal received from said remote apparatus. 4
- 6. (Previously presented) The wavelength division multiplexing 1
- transmission system according to claim 1, wherein said station apparatus 2
- is arranged to prevent an optical signal having the same wavelength as an 3
- unreceived wavelength among wavelengths used in said transmission 4
- system from being outputted and outputs an optical signal having the 5
- same wavelength as a received wavelength. 6
- 7. (Previously presented) The wavelength division multiplexing 1
- transmission system according to claim 1, wherein said station apparatus 2
- 3 comprises:
- 4 wavelength demultiplexing means for demultiplexing the
- wavelength of a received optical signal; 5
- 6 optical receiving means for receiving an optical signal demultiplexed
- by said wavelength demultiplexing means; 7

8 optical output control means for determining, as a transmission wavelength, an optical signal having the same wavelength as that of an 9 optical signal received by said optical receiving means; 10 11 optical transmitting means for transmitting an optical signal having the transmission wavelength determined by said optical output control 12 13 means; and 14 wavelength multiplexing means for multiplexing the wavelength of the optical signal transmitted by said optical transmitting means. 15 8. (Original) The wavelength division multiplexing transmission system 1 2 according to claim 1, wherein each of said remote apparatuses and said 3 station apparatus are connected with each other through optical branching and coupling means. 4 9. (Original) The wavelength division multiplexing transmission system 1 2 according to claim 8, wherein said optical branching and coupling means is 3 an optical coupler. 10. (Original) The wavelength division multiplexing transmission system 1 2 according to claim 8, wherein said optical branching and coupling means is wavelength demultiplexing and multiplexing means. 3 1 11. (Original) The wavelength division multiplexing transmission system 2 according to claim 1, wherein said plurality of remote apparatuses and 3 said station apparatus are connected in a star topology. 12. (Original) The wavelength division multiplexing transmission system 1 2 according to claim 1, wherein said plurality of remote apparatuses and 3 said station apparatus are connected in a tree topology.

1 13. (Currently Amended) A remote apparatus in a wavelength division 2 multiplexing transmission system in which a plurality of remote 3 apparatuses are connected to a station apparatus and communication is 4 performed among said remote apparatuses and the station apparatus using a given plurality of wavelengths, said remote apparatus comprising: 5 wavelength separating means for separating an optical signal 6 including a plurality of wavelengths into separated optical signals; 7 optical receiving means for generating and outputting a reception 8 9 status signal indicating whether or not each of the given plurality of wavelengths used in the transmission system is being received; 10 11 wavelength control means for determining an available wavelength as a transmission and reception signal on the basis of said reception status 12 13 an optical signal; and 14 optical transmitting means for transmitting an optical signal of said available wavelength determined by said wavelength control means. 15 1 14. (Previously presented) The remote apparatus according to claim 13, wherein said wavelength control means sets said available wavelength as 2 a transmission and reception signals and generates and outputs a 3 wavelength control signal for setting said available wavelength. 4 15. (Previously presented) The remote apparatus according to claim 13, 1 2 wherein said wavelength control means determines the wavelength of an unreceived optical signal among the wavelengths used in the transmission 3 system as said available wavelength and sets said available wavelength as 4 5 a transmission and reception wavelength. 16. (Previously presented) The remote apparatus according to claim 13, 1 2 wherein said wavelength control means determines the 3 wavelength of a received_optical signal as said available wavelength

and sets said available wavelength as a transmission and reception 4 5 wavelength. 17 -19. (Canceled). 20. (Previously presented) A method for adding a remote apparatus to a 1 wavelength division multiplexing transmission system in which a plurality 2 of remote apparatuses are connected to the station apparatus and 3 communication is performed among said remote apparatuses and the 4 station apparatus using a given plurality of wavelengths, said method 5 6 comprising: 7 separating an optical signal including a plurality of wavelengths into separated optical signals; 8 9 generating and outputting a reception status signal indicating 10 whether or not wavelengths used in the transmission system are being 11 received: 12 determining an available wavelength on the basis of said reception 13 status signal; and transmitting an optical signal of said available. 14 21. (Previously presented) The method according claim 20, further 1 2 comprising: 3 generating and outputting, based on a result of said determining, a wavelength control signal for setting said available wavelength; and 4 5 setting, based on said wavelength control signal, said available 6 wavelength as a transmission and reception signal.